



**EMPYREAN
SERVICES**
Energy. Excellence. Empyrean.

Mission and Vision: The company's mission is to provide excellence in quality and value to its clients. The motto: "*Energy. Excellence. Empyrean.*" exemplifies Empyrean's focus on excellence for our energy industry-based clients.

Turbine-Generator Inspection Services

COMPANY BACKGROUND

Empyrean Services is a professional services company that was formed in 2000 to offer highly-skilled engineering, management, and technical consulting and staff augmentation services specifically to the US energy and utilities industry. The Company was founded by past utility executives with experience in power plant operations, as well as corporate utility functions.

Our clients include commercial nuclear utilities, government facilities and key suppliers in the energy industry.

CONTACT:

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Experienced professionals provide manufacturing inspection services associated with turbine-generator (TG) components including associated valves. Vendor surveillance services provide customer representation to support:

- Factory visits to vendor facilities to verify progress and quality of deliverables
- “Eyes-on and hands-on” presence during critical fabrication activities, factory acceptance testing (FAT) and other critical activities

If required, a Vendor Oversight Plan can be developed outlining the inspections required based on contractual requirements, technical specifications, and drawings. The Plan would include inspections of manufacturing quality, factory acceptance testing (FAT), and TG components shipment release. A Source Surveillance Report will be provided following each vendor surveillance for review and approval by the customer.

Each individual has 30+ years of TG experience in maintenance, vendor manufacturing oversight, and TG component replacement projects. Our inspection professionals are available for travel to any location in North America and most international locations.



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Team of Experienced Turbine-Generator Inspectors

James Salisbury

Mr. Salisbury is a Senior Project Manager with a professional background consisting of thirty-five years of commercial nuclear power plant experience in the areas of engineering, supervision, and management. He has specific expertise in the areas of project management of operations, system engineering, maintenance, overhauls, and replacement of the main turbine-generators and their auxiliaries, management of technical programs, and support of Extended Power Uprate activities. Key certifications and affiliations include:

- ◆ Project Management Professional (PMP)
- ◆ Vendor Oversight Surveillance Delegate
- ◆ Station Nuclear Engineer (Reactor Engineering) and Shift Technical Engineer
- ◆ Institute of Nuclear Power Operations (INPO) Loanee assignment as an Engineering Evaluator
- ◆ Maintenance Rule Expert Panel member
- ◆ Nuclear Electric Insurance Limited (NEIL) Engineering Advisory Committee (EAC) member
- ◆ NEIL EAC - Boiler and Machinery Sub-Committee Member
- ◆ EPRI Plant Support Engineering (PSE) Committee Member
- ◆ BWRVIP Executive and Integration Committee Member

Fonda Grant

Mr. Grant is a Vendor Oversight Surveillance Delegate in the Nuclear, Fossil, Hydro and Commercial Industry, as well as a Project Manager, Coordinator and Field Engineer. With more than thirty years' experience, he has recently performed manufacturing and FAT testing services on a new Mitsubishi Generator in Kobe, Japan. Projects include turbine upgrades, generator replacement, Turbine Supervisory Implementation modification and turbine PM maintenance. Mr. Grant has served as a point of contact for Siemens and associated vendors during Turbine Maintenance and High Pressure Turbine replacement.

Thomas Majernik

Mr. Majernik has over 45 years of power plant and manufacturing experience with Siemens and Westinghouse. He has performed recent site surveillances for generators at Mitsubishi. Mr. Majernik was a Senior Generator Services Major Projects Engineer. This work included numerous rewinds and contract maintenance outages. He has developed, authored and co-authored numerous Corporate Process Specifications and Field Procedures. Among his achievements are eight patent awards.

